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**Status:** In Stock

Steve Mills  
MAT 099  
S G14

3:10 - 4:50

Wood Gas  
Pickup Truck

Link to video lectures to accompany the text from XYZ Textbooks:

[http://www.mathtv.com/videos\\_by\\_textbook?id=4#](http://www.mathtv.com/videos_by_textbook?id=4#)

Syllabus - Go to MyAims

Login

My Courses

Intermediate ...

Aims Online interface.

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Resources on Aims Online

Syllabus

Every day's notes

Questions, e-mail tool.

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2 hours out for 1 hour in times

4 hours.

12 hrs/wk.

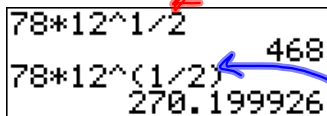
Spread it out!  
Couple hours every  
night, if possible!

Supplies :

Plain White Paper.  
Scientific Calculator.

Pencil

TI 30 II XB or XS or something.  
Really nice to have entry re-capture feature



78\*12<sup>1/2</sup> 468  
78\*12<sup>(1/2)</sup> 270.199926

FORGOT parentheses!  
without parentheses:

$$\frac{(78)(12)}{2}$$

ORDER OF OPERATIONS

with parentheses:

$$(78)(12^{\frac{1}{2}}) = (78)(\sqrt{12})$$

which is what I wanted.

$$\left( \frac{\frac{3x^2 - 5x}{27x + 19\pi}}{\frac{x^2 - 5}{2x + 7}} \right) \sqrt{32x}$$

ORDER OF OPERATIONS

Parentheses  
 Powers (Exponents) (Roots)  
 Products (Quotients)  
 SUMS (Differences)

S1.1 — Patterns

Arithmetic Sequence

5, 7, 9, 11, 13, ...

ODDS: Add 2.

Next 5 #s: 15, 17, 19, 21, 23

Adjective  
ArithMETric sequence

Noun:  
ARITHmetix sucks.

2 is the  
"common difference"

-3, 2, 7, 12, ...

By 5's: 17, 22, 27, 32, 37...

Common Diff  
is 5.

Next 5 #s.

Geometric Sequence

Adam Described a Geometric Series!

3, 6, 12, 24, 48, 96

Common Ratio is 2

$$\frac{6}{3} = 2$$

$$\frac{24}{12} = 2$$

$$\frac{12}{6} = 2$$

Test  
material,  
here

Below is blabber!

Geometric SERIES:

3 + 6 + 12 + 24 + 48 + 96 + ...

Monthly Payments. (Immigration)

Put in Bank to earn interest (Exponential Growth)

Geometric Growth.

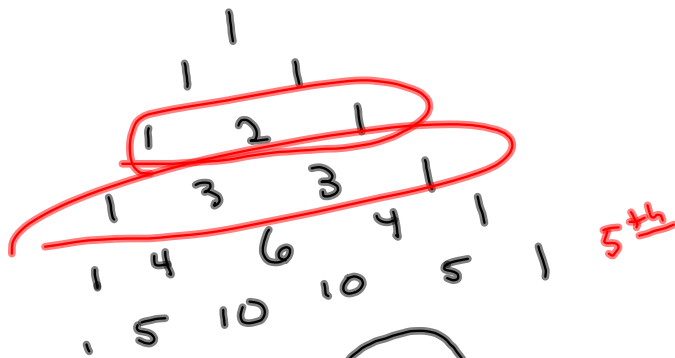
Fibonacci

Bees on page 6?

I DO NOT GET  
THE DIAGRAM

1, 1, 2, 3, 5, 8, 13, 21, 34, 55, ...

Each # is the sum of previous two.



$$(x+1)(x+1) = (x+1)^2$$

$$x^2 + x + x + 1 = x^2 + 2x + 1$$

$$(x+1)^3 = (x+1)(x^2 + 2x + 1) = x^3 + \underline{2x^2} + \underline{x} + \underline{x^2} + \underline{2x} + 1$$
$$= \underline{x^3 + 3x^2 + 3x + 1}$$

$$(x+1)^5 = 1x^5 + 5x^4 + 10x^3 + 10x^2 + 5x + 1$$

Pascal's Triangle Tric Keration